

ABSTRACT

A system for and method of automatically implementing PKI-based encryption between a sender and a recipient. The system includes a sender local agent associated with a sender electronic device and a recipient local agent associated with a recipient electronic device wherein both the sender and recipient electronic devices are capable of connecting to a control server via the Internet. The sender local agent is operable to (i) receive content generated on the sender electronic device, (ii) generate a package of encrypted content using PKI-based encryption by obtaining at least one public key from the control server, and (iii) send the package to the control server. The control server is operable to receive the package from the sender local agent and transmit the package to the recipient local agent. The recipient local agent is operable to (i) receive the package from the control server, (ii) launch a recipient local agent-controlled window or process, (iii) decrypt the encrypted content in the package, and (iv) use or display decrypted content within the recipient local agent-controlled window or process. Packages preferably include content such as text, data and graphic images. Packages also preferably include embedded content dissemination rules, selected by the package sender, restricting the dissemination of the content by the recipient.